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AN 99:156634 CA

TI Reevaluation of response patterns of nonresponder mice to GLPhe polymers

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Serial No.: 09/816,989
Filed: March 23, 2001
Exhibit 33

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SO Immunogenetics (1983), 18(1), 97-100
CODEN: IMNGBK; ISSN: 0093-7711

DT Journal

LA English

AB All strains of mice of H-2k haplotypes produced immune responses to the synthetic polymer poly(glutamic acid₅₆, lysine₃₅, phenylalanine₉) (GLPhe₉). Recombinant strains of mice with k alleles in I-A and I-E, b alleles in I-A and k alleles in I-E, k alleles in I-A and b alleles in I-E, and s alleles in I-A and k alleles in I-E responded well to GLPhe₉. Mice of haplotypes d, k, q, and (bxk)F1 responded to 4 differently made preps. of GLPhe. Mice of b and s haplotypes were nonresponders. Addnl., f haplotype mice were previously thought to be nonresponders to GLPhe₉. However, mice having f alleles in I-A responded well to GLPhe₉. The ability of the GLPhe polymers to stimulate the T-cells from the various mouse haplotypes is discussed.